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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Animal Disease Eradication Division
Special Diseases Eradication Section
Washington 25, D. C.

August 19, 1957

ANNUAL REPORT OF COOPERATIVE STATE-FEDERAL SHEEP AND CATTLE
SCABIES ERADICATION — FISCAL YEAR 1957

Psoroptic Cattle Scabies - Psoroptic scabies was diagnosed in cattle representing herds in Colorado, Illinois, Iowa, Kansas, Missouri, Ohio, and Wyoming. During the fiscal year, Federal and State quarantines were placed in Colorado on Bent, Crowley, Las Animas, Otero, Prowers, and a part of Pueblo Counties. The quarantined area was reduced as cattle were inspected and treated, and as of June 30, included all of Crowley County and those parts of Bent, Las Animas, Otero, Prowers, and Pueblo Counties directly involved in outbreaks of the disease. All known infected herds have been treated under supervision, and every effort has been made to trace movements of cattle from these herds and to establish the origin of infection in each case.

Chorioptic and Sarcoptic Cattle Mange - Chorioptic mange was diagnosed in cattle representing herds in California, Connecticut, Illinois, Indiana, Iowa, Maryland, Michigan, Missouri, New York, South Dakota, Virginia, Washington, and Wisconsin. Sarcoptic mange was diagnosed in cattle representing herds in Colorado, Nebraska, New York, and Puerto Rico. This disease was reported in swine in New Mexico and in a horse in Hawaii.

Psoroptic Sheep Scabies - Psoroptic scabies was reported in 682 flocks of 57,073 sheep in 289 counties in 24 States. This is an increase of 75 flocks, 14,451 sheep, and 22 counties as compared to the report for fiscal year 1956, when the disease was reported in 25 States.

Sheep Scabies Quarantines Lifted in Louisiana and Mississippi - A long, intensive campaign by State Departments of Agriculture and the USDA to eradicate psoroptic sheep scabies among flocks in Mississippi and Louisiana has been pronounced successful. The Agricultural Research Service has announced the lifting of its scabies quarantines in 4 Louisiana parishes, and 12 Mississippi counties and a part of a 13th Mississippi county. The quarantines, in effect more than 30 years, were lifted July 8.

The Louisiana parishes affected by the lifting of the quarantines are Allen, Beauregard, Calcasieu, and Vernon; and the Mississippi counties involved are Forrest, George, Greene, Hancock, Harrison, Jackson, Jones, Lamar, Pearl River, Perry, Stone, Wayne, and Marion County east of Pearl River.

SCABIES FILM

"Psoroptic Sheep and Cattle Scabies" - 16 mm, color, sound, running time 12 minutes, released 1956. A film describing the history of the disease in the United States, showing symptoms in cattle and sheep affected with psoroptic scabies--loss of wool and hair, evidence of itching and irritation--and demonstration of causative mites including photomicrography of the mite. Methods of treating infected and exposed animals are also shown, and the principles of sound scabies eradication procedures are outlined. Copies were made and distributed to appropriate ADE Field Veterinarians-in-Charge.

CATTLE SCABIES AND MANGE FOUND AT LIVESTOCK SHOWS

NATIONAL WESTERN LIVESTOCK SHOW HELD IN DENVER, COLORADO, IN JANUARY 1957

At the National Western Livestock Show, psoroptic scabies was diagnosed in one herd from Iowa; chorioptic mange in two herds from Washington State and one herd from South Dakota; and sarcoptic mange in one herd from Nebraska and in one herd from Colorado.

INTERNATIONAL LIVESTOCK EXPOSITION HELD IN CHICAGO, ILLINOIS, IN NOVEMBER 1956

Chorioptic mange was diagnosed in 29 lots of cattle. The infected animals originated in or were shipped from the following States: Illinois, Indiana, Iowa, Maryland, Michigan, Missouri, New Jersey, and Virginia. One lot originated in New Jersey but was shipped to the exposition from the Royal Winter Fair at Toronto, Ontario, Canada.

CATTLE SCABIES AND MANGE FOUND AT STOCKYARDS UNDER FEDERAL SUPERVISION

Psoroptic scabies was diagnosed at the Chicago, Illinois, Union Stock Yards in one lot of cattle from Illinois and at the South St. Joseph, Missouri, Stock Yards in one lot of cattle from Kansas.

Sarcoptic mange was diagnosed at the Jersey City, New Jersey, Stock Yards in one lot of cattle shipped from New York State.

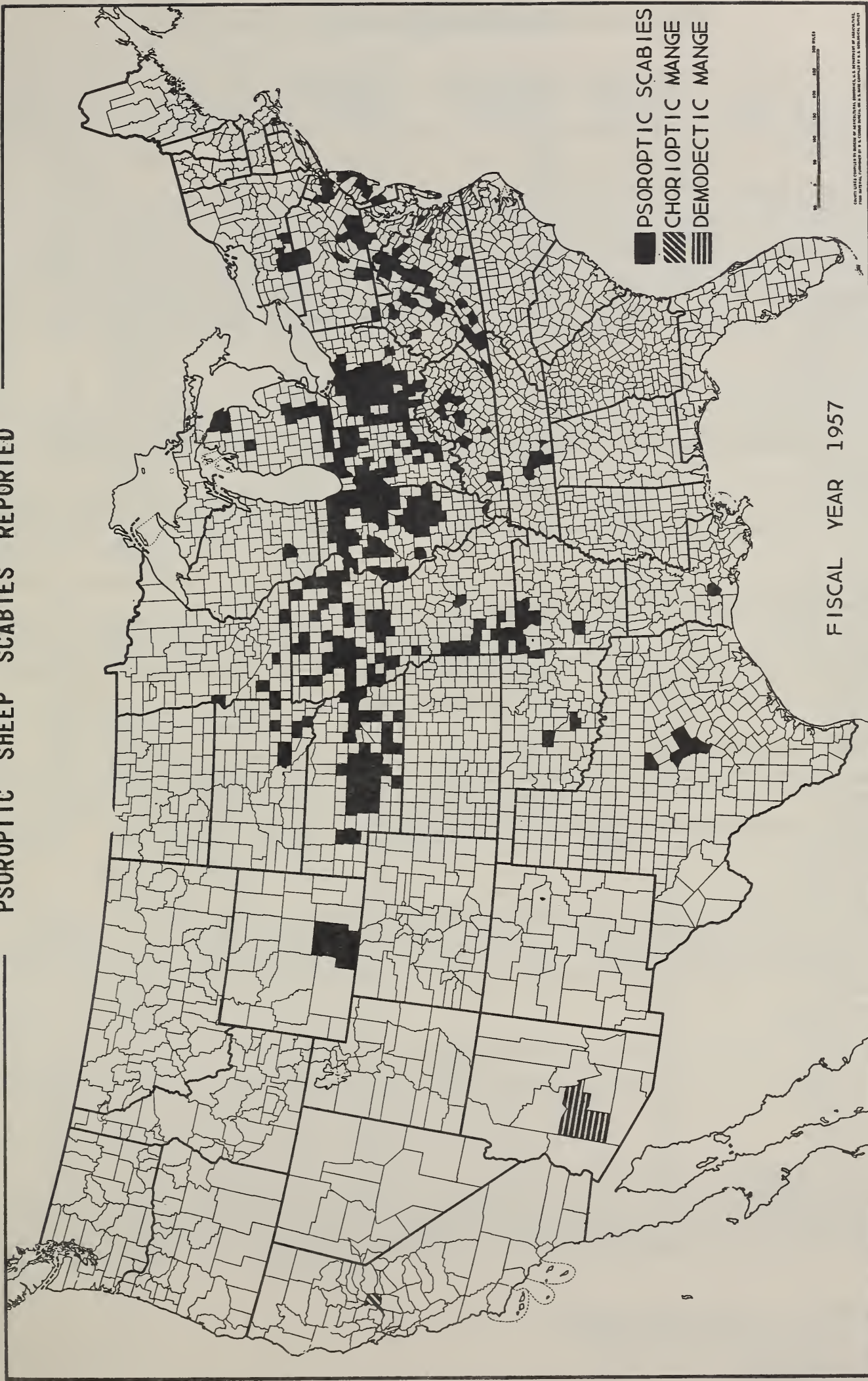
PSOROPTIC SHEEP SCABIES FOUND AT STOCKYARDS UNDER FEDERAL SUPERVISION

(Infected Lots)

Omaha, Nebraska, Union Stock Yards	49
Chicago, Illinois, Union Stock Yards	48
National Stock Yards, Illinois, Stock Yards	24
Indianapolis, Indiana, Stock Yards	11
Sioux City, Iowa, Stock Yards	7
South St. Paul, Minnesota, Union Stock Yards	3
Springfield, Missouri, Union Stock Yards	3
Boonsboro, Maryland, Farmers' Livestock Exchange, Inc.	1
Detroit, Michigan, Stock Yards	1
Fort Worth, Texas, Stock Yards	1
Louisville, Kentucky, Bourbon Stock Yards	1
South St. Joseph, Missouri, Stock Yards	1

TOTAL: 150 lots

PSOROPTIC SHEEP SCABIES REPORTED



FISCAL YEAR 1957

PSOROPTIC SHEEP SCABIES

As Reported From Respective States	Number of Infected Counties	Number of Infected Flocks	Number of Infected Sheep	Total Inspections	Total Dippings
Connecticut	0	0	0	0	0
Maine	0	0	0	0	0
Massachusetts	0	0	0	0	0
New Hampshire	0	0	0	0	0
New York	3	5	131	131	118
Rhode Island	0	0	0	0	0
Vermont	0	0	0	0	0
Delaware	1	2	321	2,108	657
Kentucky	12	25	3,209	62,576	3,288
Maryland	1	1	13	239	142
New Jersey	8	11	501	6,756	342
Pennsylvania	8	12	449	557	489
Virginia	17	86	6,708	59,129	7,641
West Virginia	8	23	1,877	30,579	4,530
Dist. of Col.	0	0	0	0	0
Illinois	39	110	5,544	34,680	3,522
Indiana	29	66	2,196	6,386	1,672
Michigan	13	27	3,256	4,198	4,198
Ohio	39	98	6,329	10,983	8,045
Iowa	37	71	5,266	x10 86,156	x6 5,780
Minnesota	5	5	4,633	14,732	8,732
Nebraska	27	48	5,004	22,173	18,079
North Dakota	0	0	0	0	0
South Dakota	6	12	1,125	300,164	3,663
Wisconsin	1	1	35	762	0
Idaho	0	0	0	25,561	0
Montana	0	0	0	0	0
Nevada	0	0	0	85,920	0
Oregon	0	0	0	35,204	0
Utah	0	0	0	714,884	0
Washington	0	0	0	x2 71,345	3
Wyoming	1	3	4,248	x3 249,628	x1 9,091
Alaska	0	0	0	0	0
Arizona	x1 (D)	x1 (D)	x2 (D)	x2630 578,612	x349 27,814
California	1 (C)	1 (C)	36 (C)	x601 777,440	408
Colorado	0	0	0	35,013	9
New Mexico	0	0	0	1,638,855	21,143
Texas	5	8	91	xx 6,433,874	xxx 275,093
Hawaii	0	0	0	0	0
Arkansas	6	21	2,513	x608 71,589	x500 14,376
Kansas	0	0	0	48,049	2,188
Louisiana	1	1	5	353,396	115,551
Mississippi	0	0	0	193,237	28,014
Missouri	14	27	2,366	6,565	3,896
Oklahoma	3	3	353	4,232	765
Tennessee	5	16	900	25,358	2,059
Alabama	0	0	0	0	0
Florida	0	0	0	1,405	0
Georgia	0	0	0	2,502	2,502
North Carolina	0	0	0	0	0
South Carolina	0	0	0	0	0
Puerto Rico	0	0	0	0	0
TOTALS:	x1,1 (C) 289	x1, 1 (C) 682	57,073	11,994,978	573,810
			x2, 36 (C)	x3,854	x856

x goats

xx includes 50,782 goats inspected

xxx includes 1,548 goats dipped

(C) chorioptic

(D) demodectic

PSOROPTIC SHEEP SCABIES - States And Counties Involved

Arizona -- Maricopa (Demodectic - in goats).

Arkansas -- Benton, Boone, Carroll, Marion, Montgomery, Newton.

California -- Sacramento (Chorioptic).

Delaware -- Kent.

Illinois -- Adams, Bureau, Champaign, Christian, Clay, Coles, Cook, Crawford, Cumberland, DeKalb, DuPage, Effingham, Greene, Fayette, Ford, Fulton, Hancock, Henderson, Iroquois, Jasper, Kane, Kankakee, Kendall, Knox, Lawrence, Livingston, Macon, Marion, Massac, McLean, Montgomery, Moultrie, Ogle, Peoria, Rock Island, Shelby, Vermilion, Whiteside, Will.

Indiana -- Allen, Bartholomew, Benton, Boone, Cass, Decatur, DeKalb, Elkhart, Franklin, Hancock, Huntington, Jackson, Jasper, Johnson, Kosciusko, LaPorte, Monroe, Montgomery, Newton, Noble, Orange, Pulaski, Spencer, St. Joseph, Tippecanoe, Warren, Washington, White, Whitley.

Iowa -- Adair, Appanoose, Audubon, Benton, Black Hawk, Boone, Butler, Calhoun, Carroll, Cedar, Cherokee, Clayton, Dallas, Decatur, Delaware, Fremont, Greene, Guthrie, Hamilton, Hancock, Harrison, Jasper, Jones, Kossuth, Linn, Lucas, Mills, Monroe, Montgomery, O'Brien, Poweshiek, Sac, Scott, Shelby, Taylor, Wayne, Winneshiek.

Kentucky -- Bourbon, Boyle, Christian, Clark, Franklin, Hardin, Madison, Mercer, Metcalfe, Montgomery, Scott, Washington.

Louisiana -- Acadia.

Maryland -- Carroll.

Michigan -- Alpena, Berrien, Branch, Genesee, Hillsdale, Lenawee, Livingston, Missaukee, Montmorency, Presque Isle, St. Joseph, Shiawassee, Washtenaw.

Minnesota -- Lyon, Mower, Pipestone, Traverse, Watonwan.

Missouri -- Barry, Bates, Cass, Cedar, Christian, Clinton, Lawrence, Mercer, Miller, Newton, Nodaway, Polk, Putnam, Vernon.

Nebraska -- Adams, Boone, Buffalo, Burt, Butler, Clay, Colfax, Custer, Dawson, Dodge, Douglas, Fillmore, Furnas, Garden, Howard, Jefferson, Lincoln, Logan, Loup, McPherson, Phelps, Platte, Seward, Sherman, Valley, Washington, Webster.

New Jersey -- Atlantic, Cumberland, Hunterdon, Middlesex, Ocean, Somerset, Union, Warren.

New York -- Schuyler, Steuben, Tioga.

Ohio -- Adams, Allen, Auglaize, Butler, Champaign, Clark, Clermont, Clinton, Crawford, Darke, Delaware, Fairfield, Franklin, Greene, Hancock, Hardin, Highland, Huron, Knox, Licking, Logan, Lorain, Madison, Marion, Medina, Mercer, Montgomery, Morgan, Morrow, Pickaway, Preble, Putnam, Richland, Ross, Sandusky, Seneca, Union, Warren, Wyandot.

Oklahoma -- Adair, Canadian, Garvin.

Pennsylvania -- Adams, Bedford, Dauphin, Greene, Lancaster, Mifflin, Tioga, York.

South Dakota -- Aurora, Brule, Hutchinson, Miner, Moody, Yankton.

Tennessee -- Giles, Hickman, Marshall, Maury, Moore.

Texas -- Burnet, Coryell, Eastland, Lampasas, Mills.

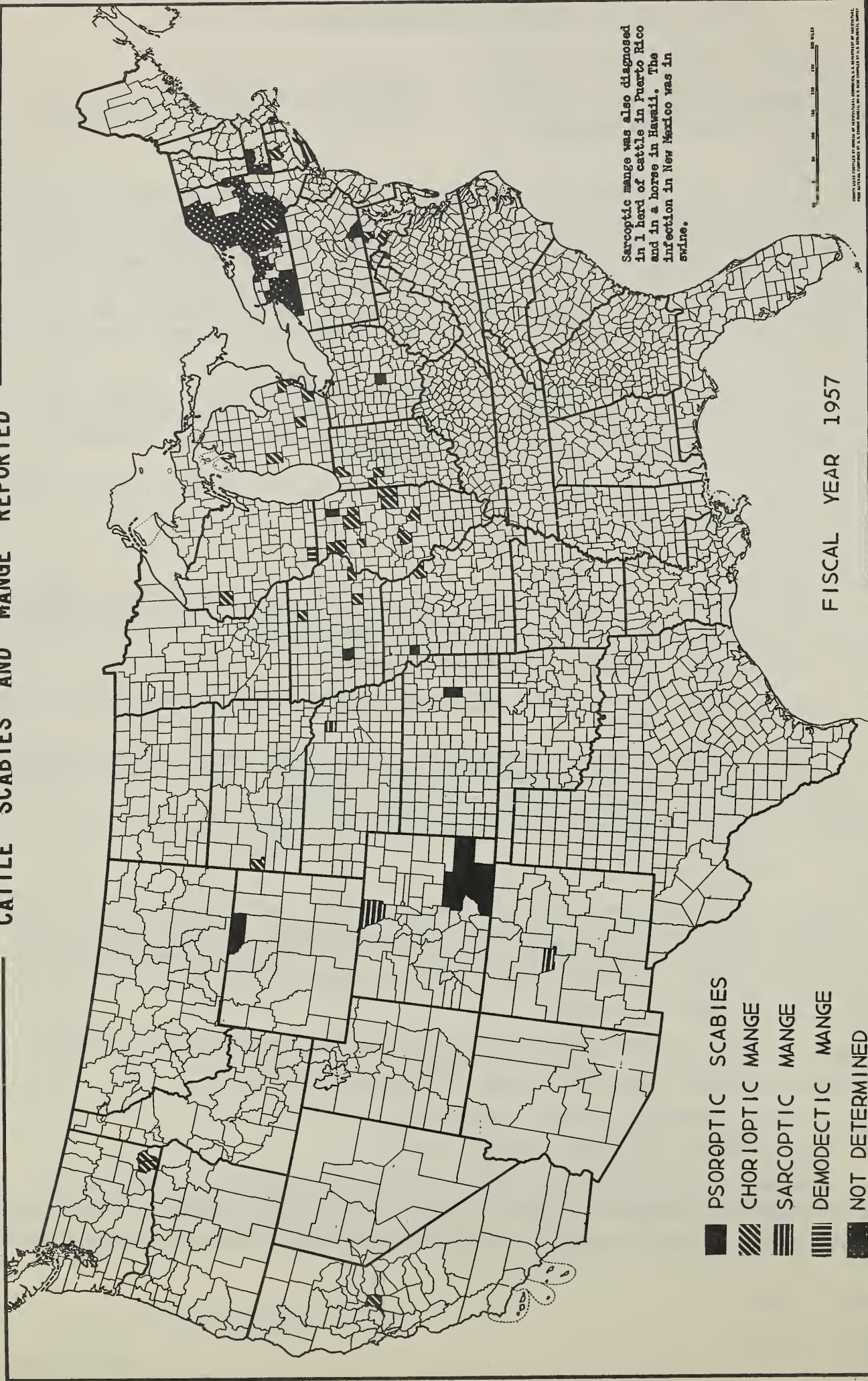
Virginia -- Augusta, Bath, Charlotte, Clarke, Fauquier, Frederick, Hanover, Lee, Montgomery, Richmond, Rockingham, Russell, Shenandoah, Tazewell, Warren, Washington, Wythe.

West Virginia -- Berkeley, Greenbrier, Hampshire, Harrison, Jefferson, Randolph, Roane, Taylor.

Wisconsin -- Sauk.

Wyoming -- Carbon.

CATTLE SCABIES AND MANGE REPORTED



CATTLE SCABIES AND MANGE

As Reported From Respective States	Number of Infected Counties	Number of Infected Herds	Number of Infected Cattle	Total Inspections	Total Sprayings or Dippings
Connecticut	1C	4C	10C	10	0
Maine	0	0	0	0	0
Massachusetts	2ND	3ND	6ND	126	0
New Hampshire	0	0	0	0	0
New York	28ND, 1C, 1S	1740ND, 1C, 1S	93,504ND, 2C, 1S	152	93,507
Rhode Island	0	0	0	0	0
Vermont	0	0	0	0	0
Delaware	0	0	0	0	0
Kentucky	0	0	0	0	0
Maryland	2C	3C, 1ND	299C, 126ND	657	844
New Jersey	0	0	0	11	11
Pennsylvania	1ND	1ND	32ND	32	0
Virginia	1C	1C	4C	0	0
West Virginia	0	0	0	145	0
Dist. of Col.					
Illinois	9C, 1P	13C, 1P	42C, 153P	999	422
Indiana	3C	5C	330C	330	0
Michigan	4C	6C	263C	280	280
Ohio	1P	1P	85P	2,463	255
Iowa	3C, 1 P	4C, 1P	25C, 55P	7,050	282
Minnesota	0	0	0	0	0
Nebraska	1 S	1S	75S	3,954	1,860
North Dakota	0	0	0	0	0
South Dakota	1 C	1C	5C	5	5
Wisconsin	1C, 1D	1C, 1D	49C, 25D	123	49
Idaho	0	0	0	0	0
Montana	0	0	0	536	0
Nevada	0	0	0	0	0
Oregon	0	0	0	3,264	0
Utah	0	0	0	0	0
Washington	2C	2C	151C	755	625
Wyoming	1P	1P	91P	336	213
Alaska					
Arizona	0	0	0	121,514	0
California	1C	1C	6C	265,927	160
Colorado	6P, 1S	19P, 1S	2,860P, 15S	628,097	82,732
New Mexico	1S ¶¶	1S ¶¶	50S ¶¶	9,809	241
Texas	0	0	0	940,508	1,144
Hawaii	1S §	1S §	1S §	0	0
Arkansas	0	0	0	6,741	744
Kansas	1P	1P	23P	22,969	0
Louisiana	0	0	0	0	0
Mississippi	0	0	0	70,300	0
Missouri	1C, 1P	1C, 1P	73C, 20P	843	820
Oklahoma	0	0	0	1,869	0
Tennessee	0	0	0	0	0
Alabama	0	0	0	0	0
Florida	0	0	0	0	0
Georgia	0	0	0	0	0
North Carolina	0	0	0	0	0
South Carolina	0	0	0	0	0
Puerto Rico	1S	1S	42S	107	42
TOTALS:	12P, 30C, 6S,	25P, 43C, 6S,	3,287P, 1,259C,	2,089,912	184,236

P - Psoroptic
 C - Chorioptic
 S - Sarcoptic
 D - Demodectic
 ND - Not Determined
 ¶¶ - Swine
 § - Horse

1D, 31ND

1D, 1,745ND

184S, 25D,
93,668ND

CATTLE SCABIES AND MANGE - States And Counties Involved

California -- Sacramento (C).

Colorado -- Bent (P), Crowley (P), Larimer ** (S), Las Animas (P), Otero (P), Prowers (P), Pueblo (P).

Connecticut -- Hartford (C).

Illinois -- Carroll ‡ (C), Champaign ‡ (C), Grundy ‡ (C), Kane & (P), LaSalle ‡ (C), Sangamon ‡ (C), Shelby ‡ (C), Stark ‡ (C), Vermilion ‡ (C), Whiteside ‡ (C).

Indiana -- Benton ‡ (C), LaPorte ‡ (C), Tippecanoe ‡ (C).

Iowa -- Floyd ‡ (C), Guthrie ** (P), Keokuk ‡ (C), Muscatine ‡ (C).

Kansas -- Lyon ‡ (P).

Maryland -- Carroll ‡ (C), Montgomery (C and ND).

Massachusetts -- Berkshire (ND), Franklin (ND).

Michigan -- Ingham ‡ (C), Newaygo (C), St. Clair (C), Wayne (C).

Missouri -- Clinton (P), Pike ‡ (C).

Nebraska -- Pierce ** (S).

New Mexico -- Bernalillo ‡ (S).

New York® -- Allegany (ND), Broome (ND), Cattaraugus (ND), Cayuga (ND), Chautauqua (ND), Chenango (C and ND), Cortland (ND), Delaware (ND), Erie (ND), Franklin (ND), Fulton (ND), Herkimer (ND), Jefferson (ND), Lewis (ND), Madison (ND), Monroe (ND), Montgomery (ND), Oneida (ND), Onondago (ND), Ontario (ND), Oswego (ND), Otsego (ND), St. Lawrence (ND), Saratoga (ND), Schoharie (ND), Suffolk (S and ND), Tompkins (ND), Washington (ND), Wayne (ND), Wyoming (ND).

Ohio -- Franklin (P).

Pennsylvania -- York (ND).

South Dakota -- Lawrence ** (C).

Virginia -- Clarke ‡ (C).

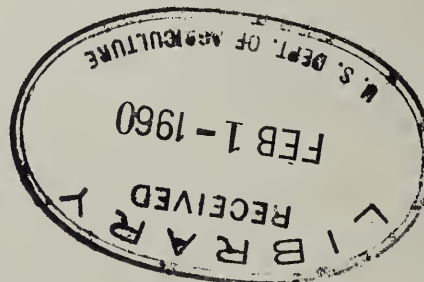
Washington -- Columbia ** (C), Garfield ** (C).

Wisconsin -- Barron (C), Lafayette (D).

Wyoming -- Sheridan (P).

Hawaii -- § (S).

Puerto Rico -- * (S)



** Includes cases in which mites were identified at the National Western Livestock Show, Denver, Colorado, on cattle originating in these counties.

‡ Includes cases in which mites were identified at the International Livestock Exposition, Chicago, Illinois, on cattle originating in these counties.

& Diagnosed at Chicago Union Stock Yards.

§ Diagnosed at South St. Joseph, Missouri, Stock Yards.

* Cattle in Puerto Rico on which sarcoptic mites found had originated in New York

‡ Swine

§ Horse

● Includes herds treated for mange by State licensed spray operators. Mites not demonstrated or not identified.

P - Psoroptic

C - Chorioptic

D - Demodectic

S - Sarcoptic

ND - Not Determined